

**From:** [Gary Miller](#)  
**To:** [Paul.R.Schroeder@erdc.dren.mil](#)  
**Cc:** [Valmichael Leos](#); [Carlos Sanchez](#); [Jessica Hernandez](#); [Anne Foster](#); [Hayter, Earl J ERDC-CHL-MS](#)  
**Subject:** Armored Cap Analysis - San Jacinto River waste Pits Superfund Site  
**Date:** 07/26/2012 11:58 AM  
**Attachments:** [SJ IMG\\_1864.jpg](#)  
[SJ IMG\\_1872.jpg](#)  
[SJ IMG\\_1871.jpg](#)  
[SJ IMG\\_1869.jpg](#)  
[SJ IMG\\_1867.jpg](#)

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Paul,

We would like to discuss with you your assistance in checking the design and construction of an armored cap; we are currently working with Earl on a fate & transport model and he suggested that we contact you. Is analysis of the cap's design and construction something that you could help us with?

For your information, the armored cap (aerial picture below, before flood) is constructed over waste pits containing dioxin. The cap was constructed in 2011 by respondents under a consent order issued by EPA and was designed for a 100-year flood. This cap is exposed to the San Jacinto River, and recent flooding caused erosion (see attached pictures) of the cover material on the west side (left side of aerial picture below). While all the facts are still being gathered, it appears that the river flow may have been less than a 10-year flood, well below the design flood.

I look forward to hearing from you, and if you are not available for this now, can you recommend someone else with the Corps who is knowledgeable on this?

Regards,

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